Public Security

A holistic, modular concept in the battle for public safety

Elbit Systems™
C4I and Cyber

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Securing modern-day cities is complex and multi-faceted. The challenges are even greater in the aftermath of a disaster, or when the city is host to a mega event. Elbit Systems HLS provides a multi-dimensional approach to securing the public domain. The solution offers enhanced situation monitoring, awareness and analysis, as well as high-level management of the entire security process.

Elbit Systems' solution features a modular architecture that enhances the user's ability to prepare, identify, manage and prevent incidents, as well as to react appropriately both in day-to-day activities and in times of crisis. Elbit Systems' approach uses recognized standards and protocols to ensure a highly flexible data structure and configurable security processes that enable the complete customization of security solutions.

Flexible – turnkey solution or integrated into legacy systems

The technology-based building blocks can either be utilized as an end-to-end solution, or integrated into a customer's legacy system or other third-party components. This flexibility enables a fully tailored solution for each customer. Completely field-proven, Elbit Systems' centralized approach is both practical and effective.

HLS Public Security is comprised of Four primary solutions:

- **Crisis Management -** Designed to support decision-makers and Emergency Operation Centers, the solution offers tools and applications for Computer-Aided-Dispatch, emergency situational awareness, preparedness management, and emergency resources.
- **Law Enforcement and First Responders –** From the call center to the security of mega events, the solution supports the entire law enforcement process. Using advanced Incident Management, Smart Computer Aided Dispatch (CAD), and analysis tools, the system facilitates police investigation, intelligence and case management.
- **Safe City –** For efficient management of routine and critical situations, Safe City maintains city control and civil safety at all times. With its comprehensive security approach, the solution ensures situational awareness and understanding through a common operational picture (COP) shared by central headquarters, rescue forces and command posts.
- **Special Events –** The C^2 solution incorporates tools to design, prepare, simulate and manage public events of any scale. The system's flexibility enables seamless integration with auxiliary forces and personnel, and can easily accommodate large numbers of additional sensors. Integration with Elbit Systems' Training Simulator further enhances the preparedness of the forces and agencies involved in the management of public events.

Building Blocks

The Public Security solutions comprise a combination of C^2 systems, communications systems and IT solutions that integrate planning, operational management, intelligence, research and investigation with municipal and public coordination. They include:

- **FRONTS C^2 Application -** A comprehensive command and control system for public security, first responders and border protection. The FRONTS C^2 application provides full situational awareness at all levels in real-time. Complete multimedia services (voice, video and data) to/from any entity can be activated and utilized by the advanced Command and Control GIS-based system, at any terminal or command center. FRONTS C^2 enhances the ability of dispatching centers and First Responders at all command levels to deal efficiently and systematically, at a high automation level, with security events of different types and sources. The system incorporates: operations planning and execution, incident management response, supervision, debriefing tools, simulated training, crime analysis and administration.
- **Special Forces Kit –** A compact, ultra-rugged, wearable computing unit and radio, providing field personnel with a real-time COP. This kit enables forces to send and receive live mission data and manage all phases of operation, including planning, briefing, execution and debriefing.
- **Sensors –** Sensor systems incorporate EO/IR sensors, alert buttons, CCTV cameras, surveillance cameras, CDR, UAVs, SIGINT and Aerostat.
- **WideBridge™ -** This system provides mission-critical broadband services for first responders. Based on a scalable, secure, open-architecture solution, WideBridge provides a network and user device agnostic system for secure IP services. e.g., PTT, PTV, Direct Mode ad-hoc interface to LMR).
- **Command and Control**
  - Stationary Units– Designed and equipped to command, coordinate and manage every type and scope of event, in both emergency and routine situations. Using Fronts C^2, it enables a full COP on national, regional and local levels.
  - Mobile Units – FRONTS C^2 Mobile command and control application enhances operational efficiency of mobile units at routine and emergency situations, incorporating a COP with full support for mobile up-to-date systems, including tablets, smartphones, reliable digital communications systems (Tetra, P25, 3G, 4G, LTE), a mobile in-out video system, and mobile ALPR.
  - GIS – The system contains a 2D vector map with global urban coverage presented via clear, high-quality images, without user involvement. Capable of operating in both connected and disconnected modes, the system also offers geocoding, GPS navigation with voice guidance, shortest path destination with delay constraints, as well as other advanced mapping features.
  - Video Surveillance - Complete, integrated, end-to-end IP video surveillance that captures, records, alerts and analyzes imaging data. As an open platform that supports ONVIF standards, the system provides maximum flexibility for integration with new and existing devices, as well as security management and access control systems.

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Public Security Operational Needs

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